Pronto 10 - 12 NT

HORSCH

STRIP SEEDBED PREPARATION

Pronto 10 - 12 NT

UNIVERSAL SEED DRILL FOR ALL CONDITIONS

— Precise seed placement – for only a perfectly placed grain achieves top yields

— Ondulated discs pre-cut the seed row in a targeted way and remove harvest residues, rough structures or dry soil from the immediate seed area.

— High seeding speed – as the optimum time for seeding is limited.

— Tolerance with regard to the condition of the seedbed – as flexibility in tillage saves money

The machine concept stands for high efficiency for large farms. The low horsepower requirement is due to the minimum cultivation of the seed furrow as the soil will only be cultivated by ondulated coulters/cutting discs where the TurboDisc seed coulter will later place the seed.. The seed wagon has a capacity of 12 000 litres (partition 6 000:6 000 or 4 000:2 000:6 000) and thus up to 3 components can be transported and metered separately. The placement either takes place together with the seed in one horizon or via the PPF fertiliser disc system separately on a second, deeper horizon between the seed coulters. Due to the compact design, the machine is very manoeuvrable. The low machine weight ensures a very low horse power requirement. This is advantageous in wet conditions.

Which three requirements does the seed drill have to meet?

— Precise seed placement – for only a perfectly placed grain achieves top yields
— High seeding speed – as the optimum time for seeding is limited.
— Tolerance with regard to the condition of the seedbed – as flexibility in tillage saves money

How does the Pronto NT achieve this even germination?

— Ondulated discs pre-cut the seed row in a targeted way and remove harvest residues, rough structures or dry soil from the immediate seed area.
— Due to their adaptability (up to 15 cm), the TurboDisc seed coulters can precisely follow the contour of the soil surface. Thus, all seeds are placed evenly at the set depth.
— 4 rubber dampers per coulter transfer a pressure of up to 120 kg and ensure a smooth running of the coulter at high operational speeds.
— The press wheel at the end of the coulter body precisely controls the depth of the coulter and ensures an optimum seed-soil contact of the grains.

Pronto NT during road transport

Loosening of the surface and production of enough fine soil for an optimum embedding of the seed

Front tool ondulated disc

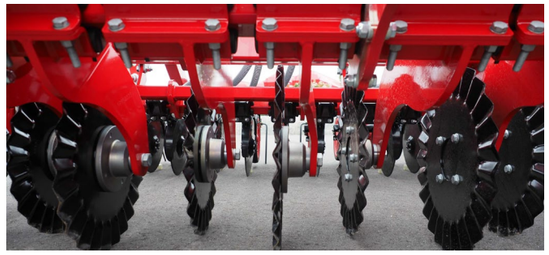
The ondulated discs are used for the targeted preparation of the seed strip. This loosening at the surface is used, among others, to produce enough fine soil for an optimum embedding of the seed. Moreover, harvest residues and plant material are removed from the seed strip.

The ondulated discs ensure a high operational reliability even in most difficult conditions due to a high pressure of up to 200 kg per ondulated disc. Low costs and a long service life due to maintenance-free disc bearings. The connection of the coulter arms at the main frame by means of the well-proven rubber torsion suspension ensures extremely low wear. The well-known overload protection ensures that the discs can individually move upwards - this acts as a kind of shock absorber. Thus, blows are not transferred to the main frame.

— Targeted preparation of the seed strip
— Loosening of the surface and production of enough fine soil for an optimum embedding of the seed
— Removal of harvest residues and plant material from the seed strip
— High operational reliability even in the most difficult conditions due to a high pressure of up to 200 kg per ondulated disc

Ondulated disc 13x undulated Ø 18 – 30 mm wide – recommended on light soils

Ondulated disc 25x undulated Ø18 – 20 mm wide – ideal on light soils



Loosening of the surface and production of enough fine soil for an optimum embedding of the seed

Removal of harvest residues and plant material from the seed strip

TurboDisc seed coulter

THE THIRD GENERATION GUARANTEES A HEAD-START IN THE FIELD OF SEED PLACEMENT

A perfect embedding of the seed and an immediate seed-soil contact are important for a safe and even emergence. HORSCH perfectly copes with the challenge to achieve this objective even at high operational speeds. The solution is called TurboDisc. The double disc coulter that has been used and constantly developed further by HORSCH for more than 20 years excels due to its precise seed placement. The press wheel-controlled coulter design allows for a quick following of the soil contours at high speeds. Thus, the set placement depth can be kept up for every single grain.

The double disc seed coulter with maintenance-free bearing opens the soil and thus allows for accurate seed placement. The integrated Uniformer ensures the fixing of the seed at the bottom of the seed furrow even at very high operational speeds. A carbide coated scraper keeps the space between the discs clean and thus prevents clogging even in sticky and wet conditions. The 5 cm or 7.5 cm wide press wheel then ensures an optimum seed-soil contact and an exact depth control.

In addition to the excellent following of the soil, the TurboDisc seed bar excels due to the easy operation: with regard to their adjustment, coulter pressure and seed depth do not influence each other. The maintenance-free rubber bearings of the seed coulters transfer a coulter pressure of up to125 kg and thus guarantee a smooth coulter – up to an operational speed of 20 km/h. Furthermore, the rubber bearing serves as an overload protection and a shock absorber for stones.

— Double disc coulter
— Creates a precise seed furrow
— Press wheel controlled (5 cm or 7.5 cm wide)
— Uniformer prevents the grains from bouncing
— Inside scraper prevents blocking and clogging of the coulters
— Coulter pressure up to 125 kg via rubber torsion
— Designed for precise seed placement at high operational speeds
— Allows for a even and safe emergence

5 cm wide press wheel – ideal on medium and heavy soils

7 cm wide press wheel – ideal on light soils

The movable scraper ensures a high self-cleaning effect in wet conditions

The HORSCH Uniformer ensures a precise fixing of the seed

The straight harrow - TurboDisc seed coulter harrow is controlled individually for a more efficient tillage

HORSCH TurboDisc seed coulter

SW 12000/3

HIGHEST WORK RATE WITH UP TO THREE COMPONENTS

The SW 12000 is a flexible solution for transporting and applying large quantities of fertiliser and seed. Depending on the desired components and their number, HORSCH offers a triple tank solution with the SW 12003. Both seed wagons are optionally available as a liquid fertiliser version. The large tyres ensure a maximum protection of the soil.

Due to six possible hydraulic control devices, the ISOBUS line, the electronic and pneumatic lines that lead through the seed wagon, the seed wagon can be used with almost any mounted implement.

For the seed wagons SW 12000, SW 12003 as well as SW 17003, HORSCH optionally offers a liquid fertiliser version. The seed wagon 12000 is equipped with a 6 000 l hopper, the seed wagons 12003 and 17003 are equipped with a 4 000 l hopper made of corrosion-resistant plastic. A clearly arranged control element and the highly visible level indicator at the side of the seed wagon as well as a large toolbox ensure the well-known HORSCH user-friendliness that is very much appreciated by the customers. This sophisticated liquid fertiliser system with a simple design, excellent accessibility and self-explanatory operation, impresses farmers all over the world.

Application of fertiliser and seed

Hydraulic filling auger for an autarkic filling

Hydraulic filling auger

SIMPLE FILLING TECHNOLOGY FOR EVERYONE

Due to the hydraulically operated filling auger, the Pronto NT can be filled quickly and easily with fertiliser and seed.

- For an autarkic filling
- Driven hydraulically, operated with a stop valve
- Output: 800 kg/min

Hydraulic filling auger for an autarkic filling

Output 800 kg/min

Fertiliser and seed flow control

FLOW CONTROL AT THE DISTRIBUTION TOWER

The fertiliser and seed flow control is a reasonable electronic solution to prevent sowing errors. The sensors control the flow directly behind the distribution tower and detect blockages. Thus, the individual pneumatic hoses are monitored and within seconds you get a notification in the terminal – both acoustic and visual.

- For a complete monitoring of the seed and fertiliser hoses
- Warning if a pneumatic hose is blocked
- Sowing errors are avoided
- Monitoring of the pneumatic flow at the distribution tower

Fertiliser and seed flow control – for a permanent monitoring of the seed and fertiliser hoses

Monitoring of the pneumatic flow at the distribution tower

INTELLIGENCE

HORSCH Terminal Touch 800

— Completely ISOBUS-compliant according to ISO11783
— High-resolution 8“ colour display
— Various interfaces for data import resp. export
— Can be extended modularly for different ISOBUS applications
— State-of-the-art hardware – 100% Touch optimised

Touch 800 terminal

Rotor selection

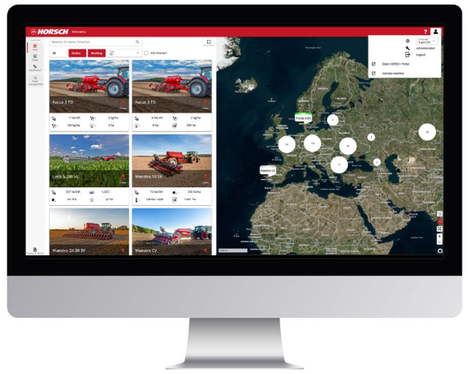
— Facilitates the selection of the optimum rotor for any application
— Wide selection range from normal seeds to fine seeds to fertiliser and micro-granular compound
— Expert mode to carry out rotor configurations also for variable operating speeds and application rates

AutoLine

— Automatic, GPS-based tramline control
— Optimised driving strategy near obstacles or on the headlands
— Track-to-track driving is no longer required
— Available in combination with the terminal eosT10 Pro

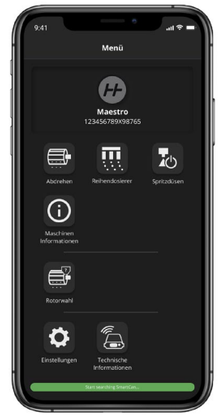
HorschConnect

Prepare today for tomorrow. Control different machine functions quite easily via the MobileControl app – your smartphone replaces the terminal! In addition, gain complete, transparent insight in all aspects of work performance and working quality with HorschConnect Telematics.



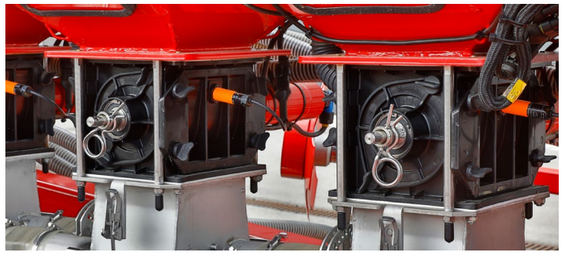
With HorschConnect telemetry solutions can be found in the sowing and plant protection sector – exactly where they make sense

— Digital solutions exactly where they make sense
— Straightforward out-of-the-box solution with integrated SIM card, WLAN modem and other interfaces
— HorschConnect Telematics to document the performance of the machine
— HorschConnect Telematics for complete transparency of the working quality, e.g the application rate of all components
— Control of machine functions via the smartphone app MobileControl
— Control of machine functions via smartphone app MobileControl: e.g. calibration of all metering units



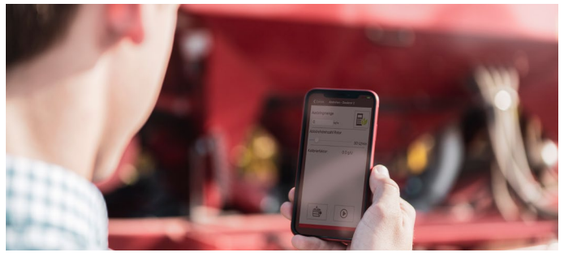
The MobileControl app allows for controlling individual machine functions – completely comfortably from the smartphone

Due to the flexible holder, the eosT10 can be perfectly integrated in every cabin



The rotor selection app facilitates the selection of the optimum rotor for any application

Uncomplicated out-of-the-box solution with a wide range of integrated interfaces



Quick and easy calibration of the machine via smartphone with the MobileControl app

TECHNICAL DATA

Pronto 10 - 12 NT	10 NT	12 NT
Working width (m)	10.40	12.00
Transport width (m)	4.30	4.30
Transport height cpl. without/with bout marker (m)	4.05 / 4.34	4.95 / 5.20
Length cpl. without/with PPF system (m)	11.40 / 12.00	11.20 / 11.80
Weight without/with SW 12000 SD (kg)	9680 / 13150	10370 / 13840
Hopper capacity double hopper (l)	12000 (50 : 50)	12000 (50 : 50)
Feed opening double hopper (m)	per 0.99 x 0.72	per 0.99 x 0.72
Filling height double hopper (m)	3,40	3,40
Number of PPF coulters (PCE)	26	30
Coulter pressure PPF coulters (kg)	up to max. 250	up to max. 250
Number of seed coulters (Piece)	52	60
Coulter pressure (kg)	5 - 120	5 - 120
Seed coulters/press wheels Ø (cm)	34 / 32	34 / 32
Row spacing seed coulters/PP/F coulters (cm)	20 / 40	20 / 40
Cutting disc system Ø (cm/inch)	46 / 18	46 / 18
Tyre size SW	650/65 R 38 (optional 900/60 R 32 or twin tyres 20.8 R 42)	650/65 R 38 (optional 900/60 R 32 or twin tyres 20.8 R 42)
Tyre size transport wheels rear	400 / 60 - 15.5	400 / 60 - 15.5
Operational speed (km/h)	10 - 20	10 - 20
Horsepower requirement (kW/hp)	191 - 208 / 260 - 310	205 - 240 / 280 -330
DA control devices	2	2
Depressurized return flow (max. 5 bar) (BAR)	1	1
Oil quantity hydraulic fan (L2)	90	90
Implement attachment adjustable drawbar (mm)	Pin Ø 50 - 55 a. 60 - 70	Pin Ø 50 - 55 a. 60 - 70
Implement attachment ball head	K 80	K 80

Your distributor

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Paper: 120g/qm Maxi Offset. The paper is certified according to the EU Ecolabel. This label is only granted for products and services whose environmental consequences are considerably lower than those of comparable products. For more details see www.eu-ecolabel.de.Printing ink: Printing ink QUICKFAST COFREE. Free from mineral oil and cobalt. Moreover, it is certified and recommended for printing according to the „Cradle-to-Cradle" principle (quasi "from the origin back to the origin) – an approach that deals with the spreading of continuous and consequent recycling management. For more details see www.c2c-ev.de.

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